

# INTERNATIONAL SEARCH REPORT

Int: Application No  
PCT/GB2004/005365

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N5/00 C12N5/10 C12N5/06 C12N5/08 A61K35/12  
A61K48/00 G01N33/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, EMBASE, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/71016 A (STEMCELLS, INC; LAGASSE, ERIC; WEISSMAN, IRVING, L) 27 September 2001 (2001-09-27)	1-5,9, 10,12, 14,15, 27,31-41
A	page 2, paragraph 4	6-11, 16-22
	page 6, paragraph 3 - paragraph 4 page 17 - page 23; example 1 claims 1-18	
Y	----- -/--	28-30

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

22 March 2005

Date of mailing of the international search report

11/04/2005

Name and mailing address of the ISA

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# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2004/005365

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	BUCALA R ET AL: "CIRCULATING FIBROCYTES DEFINE A NEW LEUKOCYTE SUBPOPULATION THAT MEDIATES TISSUE REPAIR" MOLECULAR MEDICINE, BLACKWELL SCIENCE, CAMBRIDGE, MA, US, vol. 1, no. 1, November 1994 (1994-11), pages 71-81, XP002051352 ISSN: 1076-1551	1-3,9, 12-19, 26,27
A	page 73, right-hand column, paragraph 2 - page 74, right-hand column, paragraph 1 page 78, left-hand column, paragraph 1 - page 80, left-hand column, paragraph 1	6-11, 20-22
Y		28-30
A	VERFAILLIE C M: "Adult stem cells: Assessing the case for pluripotency" TRENDS IN CELL BIOLOGY, ELSEVIER SCIENCE LTD, XX, vol. 12, no. 11, November 2002 (2002-11), pages 502-508, XP002268623 ISSN: 0962-8924 the whole document	1-27, 31-36
A	WO 02/064748 A (FURCHT, LEO, T; VERFAILLIE, CATHERINE, M; REYES, MORAYMA) 22 August 2002 (2002-08-22) page 10, line 3 - line 29 page 26 - page 52 page 40 claims 94,95,100	1-27, 31-41
Y	DEANS ROBERT J ET AL: "Mesenchymal stem cells: Biology and potential clinical uses" EXPERIMENTAL HEMATOLOGY, NEW YORK, NY, US, vol. 28, no. 8, August 2000 (2000-08), pages 875-884, XP002201188 ISSN: 0301-472X page 881, left-hand column, paragraph 2 - right-hand column, paragraph 2	28-30
A	page 876, left-hand column, paragraph 2 - page 879, right-hand column, paragraph 1 page 880; table 1	1-27, 31-36
A	JIANG Y ET AL: "PLURIPOTENCY OF MESENCHYMAL STEM CELLS DERIVED FROM ADULT MARROW" NATURE, MACMILLAN JOURNALS LTD. LONDON, GB, vol. 418, no. 6893, 4 July 2002 (2002-07-04), pages 41-49, XP001204372 ISSN: 0028-0836 page 41 page 48, left-hand column, paragraph 4	1-27, 31-36
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# INTERNATIONAL SEARCH REPORT

Inter. Application No  
PCT/GB2004/005365

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,A	JAVAZON ELISABETH H ET AL: "Mesenchymal stem cells: Paradoxes of passaging" EXPERIMENTAL HEMATOLOGY (NEW YORK), vol. 32, no. 5, May 2004 (2004-05), pages 414-425, XP002321064 ISSN: 0301-472X cited in the application	1-36
P,Y	page 414, line 1 - page 418, left-hand column, paragraph 1 page 420, right-hand column -----	28-30

# INTERNATIONAL SEARCH REPORT

International application No.  
CT/GB2004/005365

## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:  
Although claims 19 to 22 and 33 to 36 are directed to a method of treatment of the human/animal body or to methods comprising a surgical step (e.g. taking a blood sample), the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of Item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2004/005365

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 0171016 A	27-09-2001	AU 5096601 A	03-10-2001
		WO 0171016 A1	27-09-2001
		US 2001049139 A1	06-12-2001
WO 02064748 A	22-08-2002	CA 2438501 A1	22-08-2002
		EP 1367899 A2	10-12-2003
		EP 1491093 A2	29-12-2004
		JP 2004529621 T	30-09-2004
		WO 02064748 A2	22-08-2002